

Customer No.: 31561
Docket No.: 13718-US-PA
Application No.: 10/711,862

REMARKS

Claims 3 and 5 have been amended. Support for the changes to claims can be found from the specification, and the drawings.

Present Status of the Application

The Office Action rejected claims 5-7 under 35 U.S.C. 102(b) as being anticipated by Moon (US 2002/0180680).

The Office Action also rejected claims 8 under 35 U.S.C. 103(a) as being unpatentable over Moon.

The Office Action also further rejected claims 1-4 under 35 U.S.C. 103(a) as being unpatentable over Ha 2004/0113923 in view of Moon.

Discussion of 35 U.S.C. 102 Rejections

The Office Action rejected claims 5-7 under 35 U.S.C. 102(b) as being anticipated by Moon.

In response thereto, Applicants have amended independent claim 5, and hereby otherwise traverse these rejections. As such, the present invention as set forth in claim 5, as currently amended, and its dependent claims 6 and 7, is submitted to be novel and unobvious over Moon, or any of the other cited references, taken alone or in combination, and thus should be allowed.

Claim 5, as currently amended, now contains a step (b): "selecting one from a plurality of gamma voltage generators, each of which being adapted for providing a predetermined gamma characteristic curve, for providing a gamma characteristic curve

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according to said analysis signal" that is neither taught, disclosed, nor suggested by Moon.

Moon teaches: "[T]he output control voltage VIN is directly or inversely proportional to the determined brightness degree (paragraph [0053] lines 8-9)", and "[I]n case the gray scale voltage generation unit 220 receives a control voltage directly proportional to the brightness degree, it increases the positive gray scale voltage in proportion to the control voltage while decreasing the negative gray scale voltage in inverse proportion to the control voltages. (paragraph [0054] lines 6-11)". Therefore, the gamma voltages of Moon are provided in a proportional or inverse proportional manner to the control voltage, which is distinct from the claimed invention, requiring a step of "selecting one from a plurality of gamma voltage generators, each of which being adapted for providing a predetermined gamma characteristic curve, for providing a gamma characteristic curve according to said analysis signal".

Applicants submit the claimed limitation of step (b) as currently amended is neither taught, disclosed, nor suggested by Moon, or any of the other cited references, taken alone or in combination. Therefore, claim 5, as currently amended, and its dependent claims 6 and 7, are submitted to be novel and unobvious over the foregoing cited references, and thus should be allowed.

Discussion of 35 U.S.C. 103 Rejections

The Office Action also rejected claims 8 under 35 U.S.C. 103(a) as being unpatentable over Moon.

In response thereto, Applicants submit that claim 8 depends on allowable independent claim 5, and thus should also be allowed.

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The Office Action also further rejected claims 1-4 under 35 U.S.C. 103(a) as being unpatentable over Ha 2004/0113923 in view of Moon.

In response thereto, Applicants hereby otherwise traverse these rejections. As such, Applicants submit claims 1-4 are novel and unobvious over Ha and Moon, taken alone or in combination, and thus should be allowed.

With respect to claim 1, as originally filed, recites in part:

A dynamic level-adjustment compensation circuit ... comprising:

an analyzing unit used to analyze the gray-level distribution of said dynamic image signal and output an analysis signal according to the analysis result;

a plurality of gamma voltage generators, each of which produces a gamma voltage determined by a gamma characteristic curve; and

a selector electrically connected to said analyzing unit and said gamma voltage generators, wherein said selector is suited for selecting one of said gamma voltage generators according to said analysis signal and said selected gamma voltage generator outputs said corresponding gamma voltage.

In rejecting claim 1, the Examiner recites Ha as a primary reference in teaching "an analyzing unit ... and output an analysis signal according to the analysis result", "a plurality of gamma voltage generators, each of which produces a gamma voltage determined by a gamma characteristic curve", and "a selector ...". The Examiner also admitted that "Ha fails to explicitly teach 'Analyzing the gray-level distribution of said dynamic image signal and outputting the result'". The Examiner further cited Moon as a secondary reference in teaching this missed limitation and contended: "Moon teaches a